Amendments to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A method for calibrating one or more amplifiers (100,200) comprising the steps of:
- i) generating a noise signal (N_a+N_i) produced by said one or more amplifiers (100,200) when no input signal (S_i+N_i) is connected (Alt. 2) to at least one amplifier of said one or more amplifiers (100,200); and
- ii) using said noise signal (N_a+N_i) as a calibrating signal for estimating a corresponding gain (G) of said one or more amplifiers (100,200) by measuring (600) at at least one output of said one or more amplifiers (100,200) the amount of noise (S_{tot}) of said one or more amplifiers (100,200), whereby said one or more amplifiers can be calibrated using a signal that is not the output of an oscillator.
- 2. (Previously Presented) A method for calibrating one or more amplifiers (100,200) according to claim 1, wherein said gain (G) is further adjusted in accordance with said calibrating signal.
- 3. (Currently Amended) A method for calibrating a receiver (1,2) comprising the steps of:
- i) generating a noise signal (N_a+N_i) produced by one or more amplifiers (100,200) of said receiver when an input signal (S_i+N_i) is disconnected (Alt. 2) from said receiver; and
- ii) using said noise signal (N_a+N_i) as a calibrating signal for estimating a corresponding gain (G) of said one or more amplifiers in said receiver by measuring (600) at the output of the receiver the amount of noise (S_{tot}) of said one or more amplifiers (100,200), whereby said one or more amplifiers can be calibrated using a signal that is not the output of an oscillator.

- 4. (Previously Presented) A method for calibrating a receiver according to claim 3, wherein said gain (G) is further adjusted in accordance with said calibrating signal.
- (Previously Presented) A calibration arrangement (1,2) comprising:
 one or more amplifiers (100,200) for amplifying a radio signal (S_i+N_i);
 estimating means (600) for estimating a gain (G) of said one or more amplifiers
 (100,200);

disconnecting said radio signal (S_i+N_i) , while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i) , wherein said calibrating signal is not the output of an oscillator.

6. (Previously Presented) A calibration arrangement (1,2) comprising: one or more amplifiers (100,200) for amplifying a radio signal (S_i+N_i); estimating means (600) for estimating a gain (G) of said one or more amplifiers (100,200);

wherein said calibration arrangement (1,2) further comprises:

a switching means (10,30+100) for disconnecting said radio signal (S_i+N_i), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i), wherein said calibrating signal is not the output of an oscillator.

- 7. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said calibrating signal is a pure noise signal (N_a+N_i) of at least one amplifier of said one or more amplifiers (100,200).
 - 8-9. (Cancelled)

- 10. (Previously Presented) A calibration arrangement (1) according to claim 5, wherein disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100,200) to a reference potential (20).
- 11. (Previously Presented) A calibration arrangement (1) according to claim 6, wherein said switching means (10) is disconnecting said one or more amplifiers (200) from said radio signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100,200) to a reference potential (20).
- 12. (Previously Presented) A calibration arrangement (1) according to claim 10, wherein said reference potential is provided by a resistance (20) [through] connected to ground.
- 13. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein the calibration arrangement (1,2) further comprises:

more than one amplifier (100+200) in a chain for amplifying said received radio signal $(S_i + N_i)$.

- 14. (Previously Presented) A calibration arrangement (1,2) according to claim 6, wherein said switching means (10,30+100) is disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting at least one input of said one or more amplifiers (100,200) which is closest to an input of said radio signal (S_i+N_i).
- 15. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said calibrating signal represents a noise power (kTBF) from said one or more amplifiers (100,200) that comprises:
 - a known Boltzman constant (k);
 - a known bandwith (B) of said noise power;

- a known noise figure of said noise power;
- a measured temperature (T) of said receiver.
- 16. (Previously Presented) A calibration arrangement (1,2) according to claim 5, an output from the last one of said one or more amplifiers (100,200) in a chain is connected to an analog-digital-converter (400) for converting analog signals into digital signals.
- 17. (Previously Presented) A calibration arrangement (1,2) according to claim 15, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) including said noise power (kTBF) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).
- 18. (Previously Presented) A calibration arrangement (1,2) according to claim 5, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).
- 19. (Previously Presented) A calibration arrangement (1,2) according to claim 16, wherein said gain (G) of said radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) when an output signal (S_{tot}) is measured after said analog-digital-converter (400).
 - 20. (Previously Presented) A receiver (1,2) comprising: means (300) for receiving a radio signal (S_i+N_i); one or more amplifiers (100,200) for amplifying said received radio signal (S_i+N_i); estimating means (600) for estimating a gain (G) of said receiver (12); wherein said receiver further comprises:
- a switching means (10,100) for disconnecting said received signal (S_i+N_i) , while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating

signal (N_a+N_i) as a reference signal to said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i) , wherein said calibrating signal is not the output of an oscillator.

- 21. (Previously Presented) A receiver (1,2) according to claim 20, wherein said calibrating signal is a pure noise signal (N_a+N_l) of at least one amplifier of said one or more amplifiers (100,200).
- 22. (Previously Presented) A receiver (1) according to claim 20, wherein said switching means (10) is disconnecting said radio signal (S_i+N_i) by connecting at least one input of said one or more amplifiers (100) to a reference potential (20).
- 23. (Previously Presented) A receiver (1) according to claim 22, wherein said reference potential is provided by a resistance (20) connected to ground.

24. (Cancelled)

25. (Previously Presented) A receiver (1,2) according to claim 20, wherein the receiver (1,2) further comprises:

more than one amplifier (100+200) in a chain for amplifying said received radio signal $(S_i + N_i)$.

- 26. (Previously Presented) A receiver (1,2) according to claim 20, wherein said calibrating signal represents a noise power (kTBF) from said one or more amplifiers (100,200) that comprises:
 - a known Boltzman constant (k);
 - a known bandwith (B) of said noise power;
 - a known noise figure of said noise power;
 - a measured temperature (T) of said receiver.

- 27. (Previously Presented) A receiver (1,2) according to claim 20, wherein an output from the last one of said one or more amplifiers (200) in a chain is connected to an analog-digital-converter (400) for converting analog signals into digital signals.
- 28. (Previously Presented) A receiver (1,2) according to claim 26, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_a+N_i) including said noise power (kTBF) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).
- 29. (Previously Presented) A receiver (1,2) according to claim 20, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_e+N_i) when an output signal (S_{tot}) is measured at at least one output of said one or more amplifiers (100,200).
- 30. (Previously Presented) A receiver (1,2) according to claim 27, wherein said gain (G) of said received radio signal (S_i+N_i) is estimated from said calibrating signal (N_e+N_i) when an output signal (S_{tot}) is measured after said analog-digital-converter (400).
- 31. (Previously Presented) A calibration arrangement (1,2) comprising: one or more amplifiers (100,200) for amplifying a radio signal (S_i+N_i); estimating means (600) for estimating a gain (G) of said one or more amplifiers (100,200);

disconnecting said radio signal (S_i+N_i) , while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i) , wherein disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).

32. (Previously Presented) A calibration arrangement (1,2) comprising: one or more amplifiers (100,200) for amplifying a radio signal (S_i+N_i); estimating means (600) for estimating a gain (G) of said one or more amplifiers (100,200);

wherein said calibration arrangement (1,2) further comprises:

a switching means (10,30+100) for disconnecting said radio signal (S_i+N_i), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal into said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i), wherein said switching means (30+100) is disconnecting said one or more amplifiers (200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).

33. (Previously Presented) A receiver (1,2) comprising: means (300) for receiving a radio signal (S_i+N_i); one or more amplifiers (100,200) for amplifying said received radio signal (S_i+N_i); estimating means (600) for estimating a gain (G) of said receiver (12); wherein said receiver further comprises:

a switching means (10,100) for disconnecting said received signal (S_i+N_i), while at least one amplifier of said one or more amplifiers (100,200) is producing a calibrating signal (N_a+N_i) as a reference signal to said estimating means (600) for estimating said gain (G) of said radio signal (S_i+N_i), wherein said switching means (100) is disconnecting said one or more amplifiers (100,200) from said radio signal (S_i+N_i) by disconnecting a power supply (500) from at least one amplifier of said one or more amplifiers (100,200).